

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1526931

Luminaire Tested: 24CGTX-72-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-72-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

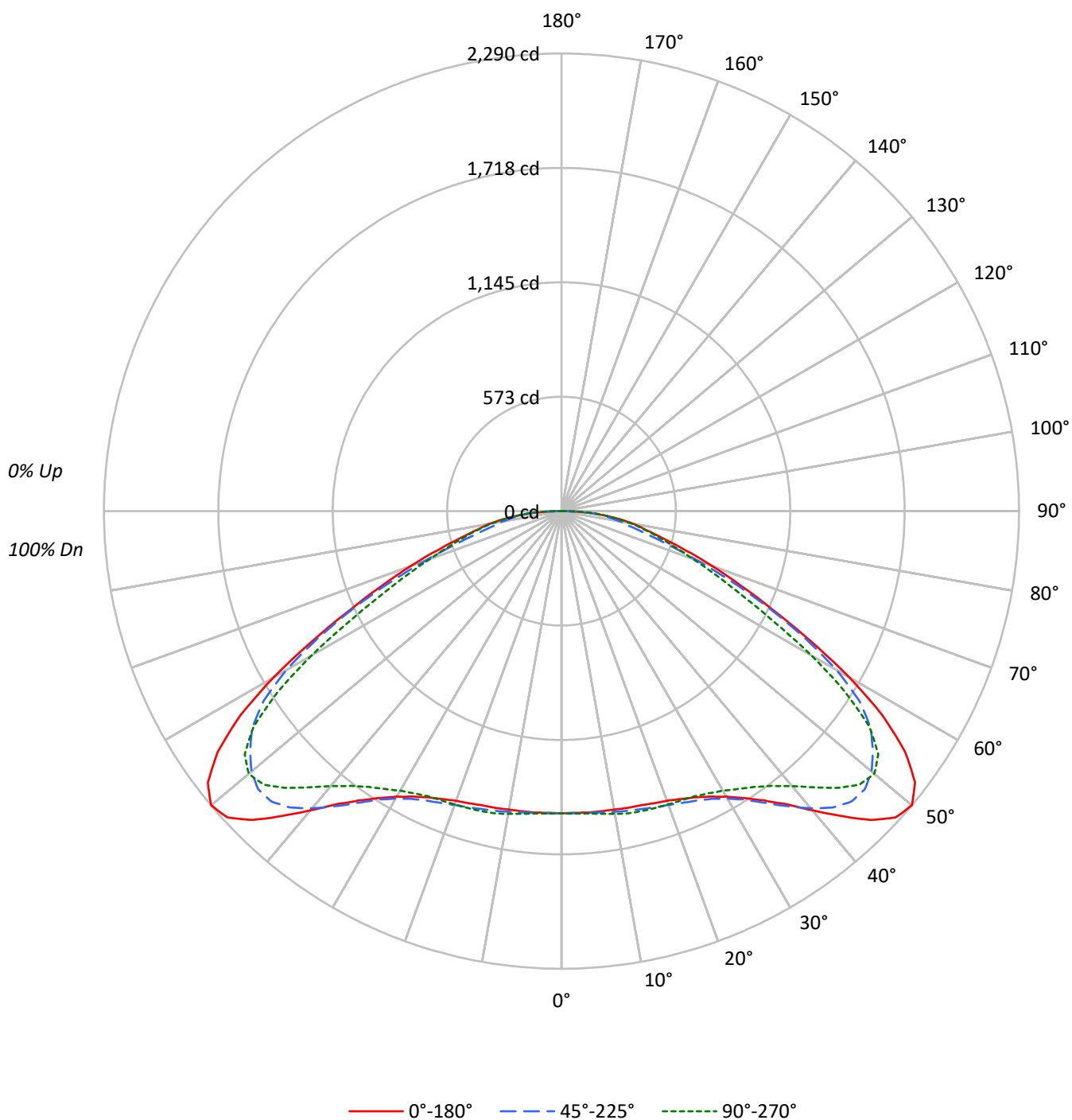
Lumens per Lamp: N/A
Luminaire Lumens: 7548.2 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2035	2035	2035
5°	2044	2048	2051
10°	2071	2087	2102
15°	2123	2150	2165
20°	2208	2240	2236
25°	2346	2373	2338
30°	2562	2581	2510
35°	2902	2928	2767
40°	3432	3409	3154
45°	4158	3909	3725
50°	4793	4240	4279
55°	4927	4430	4415
60°	4477	4280	3886
65°	3703	3636	3171
70°	3162	2848	2756
75°	2738	2269	2609
80°	2835	2299	2744
85°	2865	2763	3046

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	1.9
10°-20°	437.6	5.8
20°-30°	739.3	9.8
30°-40°	1112.9	14.7
40°-50°	1582.4	21.0
50°-60°	1698.3	22.5
60°-70°	1106.8	14.7
70°-80°	532.2	7.1
80°-90°	193.7	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1322.0	17.5
0°-40°	2434.9	32.3
0°-60°	5715.6	75.7
0°-90°	7548.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7548.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1513	1515	1516	1521	1519	145
15°	1524	1532	1544	1553	1554	433
25°	1580	1594	1598	1584	1575	736
35°	1767	1801	1783	1722	1685	1122
45°	2185	2132	2054	2001	1958	1678
55°	2100	2047	1888	1834	1882	1837
65°	1163	1154	1142	1019	996	1177
75°	527	498	436	497	502	578
85°	186	174	179	184	197	202
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1512.1	1512.1	1512.1	1512.1	1512.1
2.5°	1510.8	1512.1	1513.4	1514.7	1514.7
5°	1513.4	1514.7	1516.0	1521.2	1518.6
7.5°	1514.7	1516.0	1519.9	1527.8	1527.8
10°	1516.0	1519.9	1527.8	1535.6	1538.2
12.5°	1521.2	1525.2	1535.6	1546.1	1548.7
15°	1523.9	1531.7	1543.5	1552.6	1553.9
17.5°	1533.0	1540.9	1553.9	1557.8	1557.8
20°	1542.2	1552.6	1564.4	1564.4	1561.8
22.5°	1559.1	1570.9	1580.1	1572.2	1567.0
25°	1580.1	1594.4	1598.4	1584.0	1574.8
27.5°	1610.1	1628.4	1623.2	1603.6	1591.8
30°	1649.3	1672.8	1661.1	1632.3	1615.3
32.5°	1701.6	1730.4	1710.8	1674.2	1648.0
35°	1766.9	1800.9	1782.6	1722.5	1684.6
37.5°	1848.0	1883.3	1861.0	1783.9	1733.0
40°	1953.8	1972.1	1940.8	1857.1	1795.7
42.5°	2068.8	2059.7	2011.3	1934.2	1874.1
45°	2185.2	2131.6	2054.5	2000.9	1957.8
47.5°	2268.8	2169.5	2059.7	2032.3	2024.4
50°	2289.7	2161.6	2025.7	2015.3	2044.0
52.5°	2230.9	2119.8	1964.3	1946.0	1998.3
55°	2100.2	2046.6	1888.5	1833.6	1882.0
57.5°	1908.1	1904.2	1768.3	1670.2	1683.3
60°	1663.7	1679.4	1590.5	1452.0	1444.1
62.5°	1399.7	1408.9	1369.6	1225.9	1198.4
65°	1163.2	1154.0	1142.2	1019.4	995.9
67.5°	968.4	941.0	922.7	848.2	836.4
70°	803.8	760.6	724.0	712.3	700.5
72.5°	650.8	619.5	560.7	593.3	592.0
75°	526.7	497.9	436.5	496.6	501.9
77.5°	431.3	411.7	352.9	407.8	424.7
80°	365.9	325.4	296.7	332.0	354.2
82.5°	279.7	248.3	241.8	256.2	277.1
85°	185.6	173.8	179.0	184.3	197.3
87.5°	94.1	100.6	108.5	117.6	124.2
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.9	20.6	19.2	21.0	21.3	18.0	19.7	18.3	20.0	20.4
	3H	20.0	21.6	20.3	21.9	22.3	19.1	20.7	19.5	21.0	21.4
	4H	20.4	21.9	20.8	22.2	22.6	19.6	21.1	19.9	21.4	21.8
	6H	20.7	22.1	21.1	22.5	22.9	20.0	21.4	20.4	21.8	22.2
	8H	20.9	22.2	21.3	22.6	23.0	20.2	21.5	20.6	21.9	22.3
	12H	21.0	22.3	21.4	22.7	23.1	20.4	21.7	20.8	22.0	22.5
4H	2H	19.3	20.8	19.7	21.1	21.5	18.5	20.0	18.9	20.4	20.8
	3H	20.6	21.8	21.0	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	4H	21.1	22.2	21.5	22.6	23.1	20.4	21.6	20.8	22.0	22.4
	6H	21.5	22.6	22.0	23.0	23.5	21.0	22.0	21.4	22.5	22.9
	8H	21.8	22.7	22.2	23.2	23.6	21.3	22.2	21.7	22.6	23.1
	12H	22.0	22.8	22.4	23.3	23.8	21.5	22.4	22.0	22.8	23.3
8H	4H	21.2	22.2	21.7	22.6	23.1	20.6	21.6	21.1	22.0	22.5
	6H	21.8	22.6	22.3	23.1	23.6	21.3	22.1	21.8	22.6	23.1
	8H	22.1	22.8	22.6	23.3	23.8	21.7	22.4	22.2	22.9	23.4
	12H	22.4	23.0	22.9	23.5	24.1	22.0	22.7	22.5	23.2	23.7
12H	4H	21.2	22.1	21.7	22.6	23.0	20.7	21.5	21.1	22.0	22.5
	6H	21.9	22.6	22.4	23.1	23.6	21.4	22.1	21.9	22.6	23.1
	8H	22.2	22.9	22.7	23.4	23.9	21.8	22.4	22.3	22.9	23.5













(END OF REPORT)